



CODE# PRESENT SUMMER TRAINING ON BRIDGING THE GAP BETWEEN COLLEGE AND INDUSTRY

4th June – 14th July 2018

WEEK 1-2

**DATA SCIENCE
USING R**



- Data Science Process
- Loading Data
- Exploring Data
- Memorization Methods
- Evaluating Models
- Regression Models
- Supervised Methods
- Unsupervised Methods
- Naive Based Classifier
- Decision Tree
- Advance Methods
- Deployment

WEEK 3-4

.NET & C #



- Basic C#
- Visual Studio IDE
- Garbage Collectors
- Central Architecture- C#
- Generics in C#
- UI Design using C#
- WPF
- Advance C#
- Power of .NET
- JSON & REST API
- PB or Class Libraries
- Project using C# & XAML

WEEK 5-6

**ADVANCED
C++**



- Basics of OOPS
- SRP like patterns
- Processes & Threads
- Memory alignment
- HPC
- Multithreading
- Data Races
- Atomic Operations
- Spin Locks
- Critical Section
- Data Races
- Volatile Variables

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